

Please type a plus sign (+) inside this box →

PTO/SB/02C (3-97)

Approved for use through 9/30/98. OMB 0651-0032  
GSA GEN. REG. NO. G-1201 REV. 07-25-98

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
is required to respond to a collection of information unless it contains a

## **DECLARATION**

**REGISTERED PRACTITIONER  
INFORMATION  
(Supplemental Sheet)**

Name	Registration Number	Name	Registration Number
Ernest V. Linek	29822		
Gregory J. Cohan	40959		
Christopher R. Rhodes	47022		
Joseph Stecewycz	34442		

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)  
11670.00006

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s)	Registration Number
Peter D. McDermott	29411
John P. Iwanicki	34628

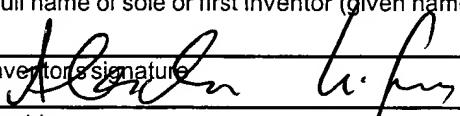
Correspondence Address: Direct all communications about the application to:

<input checked="" type="checkbox"/> Customer Number	22910	→
OR	Type Customer Number here	

Place Customer Number Bar  
Code Label here

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City	State	ZIP	
Country			
Telephone	Fax		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)	
 Alexander Lifson	
Inventor's signature	Date
Residence 8198 Dycus Circle	July 25 /01
Post Office Address Manlius, NY 13103	Citizenship USA

Full name of second joint inventor (given name, family name)	
Inventor's signature	Date
Residence	Citizenship
Post Office Address	

Full name of third joint inventor (given name, family name)	
Inventor's signature	Date
Residence	Citizenship
Post Office Address	

Additional joint inventors are named on separately numbered sheets attached hereto.

<b>REISSUE APPLICATION DECLARATION BY THE INVENTOR</b>	Docket Number (Optional) 11670.00006
--	---

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 6,047,556, granted April 11, 2000, and for which a reissue patent is sought on the invention entitled Pulsed Flow for Capacity Control,

the specification of which

is attached hereto.

was filed on \_\_\_\_\_ as reissue application number / \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

- by reason of a defective specification or drawing.
- by reason of the patentee claiming more or less than he had the right to claim in the patent.
- by reason of other errors.

At least one error upon which reissue is based is described as follows:

Applicant failed to claim inventive methods and apparatus disclosed in the specification in accordance with 37 C.F.R. 112, directed to (1) modulation of the capacity of a compressor or of an air conditioning or refrigeration system via cycling a controlled valve with a cycle time shorter than the response time of the system; and/or (2) modulation of the capacity of a compressor or of an air conditioning or refrigeration system by cycling a controlled valve between its fully open position and its fully closed position.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Carrier CorporationApplication No./Patent No.: 6,047,556 Filed/Issue Date: April 11, 2000Entitled: Pulsed Flow for Capacity Control

Carrier Corporation, a corporation,  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 9094, Frame 0764, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

July 25, 2001  
 Date

William Habelt  
 Signature

William Habelt  
 Typed or printed name

Intellectual Property Counsel & Asst. Secretary  
 Title

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION BY THE INVENTOR, OFFER TO SURRENDER PATENT	Docket Number (Optional)
	11670.00006

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s) Alexander Lifson	
Patent Number 6,047,556	Date Patent Issued April 11, 2000
Title of invention Pulsed Flow for Capacity Control	

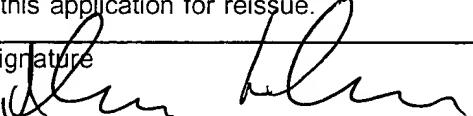
I am the inventor of the original patent.

I offer to surrender the original patent.

1.  Filed herein is a certificate under 37 CFR 3.73(b).
2.  Ownership of the patent is in the inventor(s), and no assignment of the patent has been made.

One of boxes 1 or 2 above must be checked.

The written consent of all assignees owning an undivided interest in the original patent is included in this application for reissue.

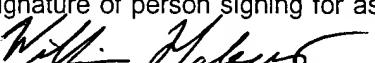
Signature 	Date July 25/01
--	--------------------

Typed or printed name Alexander Lifson
---

The assignee owning an undivided interest in said original patent is Carrier Corporation, and the assignee consents to the accompanying application for reissue.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.

Name of assignee Carrier Corporation
---

Signature of person signing for assignee 	Date July 25, 2001
---	-----------------------

Typed or printed name and title of person signing for assignee William Habelt	Intellectual Property Counsel & Asst. Secretary
--	---

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REISSUE APPLICATION BY THE ASSIGNEE, OFFER TO SURRENDER PATENT</b>		Docket Number (Optional) <b>11670.00006</b>
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s): <b>Alexander Lifson</b>		
Patent Number <b>6,047,556</b>	Date Patent Issued <b>April 11, 2000</b>	
Title of Invention <b>Pulsed Flow for Capacity Control</b>		
<p><u>Carrier Corporation</u> is the assignee of the entire interest in the original patent.</p> <p>I offer to surrender the original patent.</p> <p><input checked="" type="checkbox"/> A certificate under 37 CFR 3.73(b) is attached.</p>		
<p>I am authorized to act on behalf of the assignee.</p>		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.		
Name of assignee <b>Carrier Corporation</b>		
Signature of person signing for assignee 	Date <b>July 25, 2001</b>	
Typed or printed name and title of person signing for assignee <b>William Habelt</b> <b>Secretary</b> Intellectual Property Counsel & Asst.		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.